

SABRE

Industrial ANPR Computer

Serious about ANPR. Serious about Service.



Powerful industrial computer for ALPR processing

The Sabre Unit is a powerful and reliable industrial computer specifically designed and configured for ALPR image processing. Featuring a powerful Pentium processor, each Sabre unit is capable of processing 4 lanes of high speed, high density traffic with complimenting overview images.

Designed to be installed in the 'indoor environment', for example into a CCTV control rooms and surveillance offices, the Sabre is a powerful PRU (Plate Recognition Unit). For mission critical systems the Sabre has a redundant PSU available as an option.

For large city centre and national ALPR systems multiple Sabre units are rack mounted. Each individual Sabre unit can then be controlled with a KVM switch.

The latest generation Talon SP ALPR software and supporting frame grabbers are installed on to each Sabre unit and when combined with the Talon C3 Series Image Capture System cameras exceptionally high levels of ALPR recognition can be obtained.

Each Sabre unit is powered by standard mains electricity and additional UPS systems can be supplied upon request.

Our engineers are fully trained in the installation and commissioning of Sabre ALPR systems and we have full installation and commissioning documentation available upon request.



NDI Recognition Systems

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Specifications

Design:	19" Rack Mounted
Recognition Engine:	Talon ALPR Engine with Neural Network Technology
Trigger Process:	Automatic in picture video trigger - no need for external trigger devices. If required, external triggers such as inductive loops or lasers can be supported.
Recognition Accuracy:	Typically 98% (depends on the image quality).
User Interface:	Graphical User Interface (GUI), keyboard mouse or touch screen.
Additional Tools:	Software Development Kit (SDK) for easy integration, via ActiveX control. Active X containers including Visual C++, Visual Basic, have full control of Talon.
Type of Plates Recognised:	Recognition is country dependent, includes European, Middle Eastern, North and South America and Asian plates. A full list is available on request. Talon's neural network technology can be trained to recognise most international plate formats.
Plate Types Recognised:	Rectangular, square, normal and inverse polarity .
Plate Rotation	High performance automatic detection and correction up to +/- 10 degrees. At higher plate rotation angles, plate recognition will still be effective but performance may be reduced.
Plate Skew:	Correction of character skewing (italicisation) to +/- 10 degrees. At higher plate skew angles, plate recognition will still be effective but performance may be degraded.
Image Input:	Memory, file and supported frame grabbers including: PCI or USB Frame Grabbers. Talon is capable of taking digital images direct from files for recognition processing - ideal for back office (BOF) applications.
File Types:	BMP, JPEG.
Video Formats:	8 bit monochrome (Grayscale), RGB24, YUV.
Image Size:	PAL /NTSC standard sizes.
Typical Processing Time:	200ms.
Output:	Including but not restricted to: Plate number in ASCII / Recognition confidence level Plate position / Country Date and Time / GPS position Lane Number / Camera number Plate patch image /Overview image
Documentation:	Reference Manual in electronic format
System Requirements (min)	1.8 GHz CPU – Intel Core 2 Duo 2 GB RAM Free PCI / USB port for supported frame grabbers

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